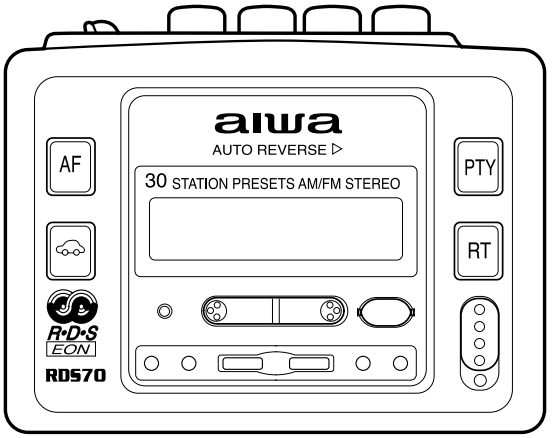
aiwa
SERVICE

HS-RDS70 YZ



SERVICE MANUAL

STEREO RADIO
CASSETTE PLAYER

BASIC TAPE MECHANISM : 7ZM–5 P1N

aiwa

S/M Code No. 09-99B-420-7R1

SPECIFICATIONS

Frequency range:	
Reception area "*EU*"	AM 531–1,602kHz (9kHz steps) FM1,FM 2 87.5–108MHz (50kHz steps)
Reception area "*US*"	AM 530–1,710kHz (10kHz steps) FM1,FM2 87.5–108.1MHz (200kHz steps)
Maximum output:	4mW + 4mW (EIAJ 32ohms)
Load impedance:	16 – 32ohms
Power source:	DC 3V using two R6 (size AA) dry cell batteries AC house current using the optional AC adaptor Aiwa
Maximum dimensions:	113.1(W)x86.8(H)x35(D)mm ($4^1/_2$ x $3^1/_2$x $1^7/_{16}$ in.)
Weight:	Approx.180g (6.3 oz)

• Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	**8Z-HR7-907-010**		**IB,YZ(EGF)S**
1	**8Z-HR7-909-010**		**IB,YZ(PHNCZ)S**
1	**8Z-HR7-908-010**		**IB,YZ(SID)S**
2	**84-447-019-310**		**CLIP,BELT**
3	**87-B30-254-110**		**HEADPHONE,HP-M007B(T)**

ELECTRICAL MAIN PARTS LIST

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A20-851-040		C-IC,TA2111F
	87-A21-555-040		IC,MM1376BF
	87-A20-983-040		C-IC,RN5RK501A
	87-A20-904-080		C-IC,TK11823MTL
	87-A21-289-040		C-IC,TC9418FN
	87-A20-440-040		C-IC,BU1920FS
	87-A21-224-040		C-IC,LB1877M
	87-A21-444-010		C-IC,UPD753017A-012
	87-A21-402-040		C-IC,S-81223SG-QW-T2
	87-A20-755-080		C-IC,AK93C45AF
	87-A20-757-040		C-IC,S-80815ANNP-EDC-T2
TRANSISTOR			
	87-026-268-080		C-TR,RN2411
	89-327-143-080		TR,2SC2714 (0.1W)
	89-327-125-080		CHIP TR,2SC2712GR
	87-026-417-080		TR,RN1310
	89-113-625-080		TR,2SA1362GR(120MHZ,0.
	87-026-261-080		CHIP-TR,RN1404
DIODE			
	87-001-553-080		C-DIODE 1SS322
	87-020-027-080		CHIP-DIODE 1SS184
	87-001-166-080		DIODE,1SS301
	87-A40-630-040		C-DIODE,RB411D
MAIN C.B			
BPF101	87-A90-601-010		FLTR,BPF GFWB7
C101	87-010-196-080		CHIP CAPACITOR,0.1-25
C102	87-010-574-080		C-CAP,S 470P-50 UJ
C103	87-010-196-080		CHIP CAPACITOR,0.1-25
C104	87-010-149-080		C-CAP,S 5P-50 CH
C105	87-012-155-080		C-CAP 180P-50CH
C106	87-010-197-080		CAP, CHIP 0.01 DM
C108	87-010-311-080		CAP 12P
C109	87-012-155-080		C-CAP 180P-50CH
C110	87-010-145-080		C-CAP,S 1P-50 CH
C111	87-010-322-080		C-CAP,S 100P-50 CH
C112	87-010-312-080		C-CAP,S 15P-50 CH
C113	87-010-154-080		CAP CHIP 10P
C114	87-010-197-080		CAP, CHIP 0.01 DM
C115	87-010-822-040		CAP,E 220-4 (MJ)
C116	87-010-805-080		CAP, S 1-16
C117	87-012-157-080		C-CAP,S 330P-50 CH
C118	87-010-805-080		CAP, S 1-16
C119	87-010-196-080		CHIP CAPACITOR,0.1-25
C120	87-010-805-080		CAP, S 1-16
C121	87-010-196-080		CHIP CAPACITOR,0.1-25
C122	87-010-178-080		CHIP CAP 1000P
C124	87-016-461-080		C-CAP,S 0.47-16F
C125	87-010-500-040		CAPE 33-4
C126	87-010-805-080		CAP, S 1-16
C127	87-010-213-080		C-CAP,S 0.015-50 B
C128	87-010-213-080		C-CAP,S 0.015-50 B
C129	87-010-154-080		CAP CHIP 10P
C130	87-010-178-080		CHIP CAP 1000P
C131	87-012-156-080		C-CAP,S 220P-50 CH
C132	87-010-178-080		CHIP CAP 1000P
C133	87-012-155-080		C-CAP 180P-50CH
C134	87-012-156-080		C-CAP,S 220P-50 CH
C135	87-012-155-080		C-CAP 180P-50CH
C136	87-010-322-080		C-CAP,S 100P-50 CH
C137	87-010-318-080		C-CAP,S 47P-50 CH
C138	87-010-197-080		CAP, CHIP 0.01 DM
C139	87-010-197-080		CAP, CHIP 0.01 DM
C140	87-010-186-080		CAP,CHIP 4700P
C141	87-010-186-080		CAP,CHIP 4700P
C143	87-010-196-080		CHIP CAPACITOR,0.1-25
C144	87-010-196-080		CHIP CAPACITOR,0.1-25
C150	87-010-322-080		CHIP CAPACITOR,100P
C201	87-010-177-080		CHIP CAP 820P
C202	87-010-177-080		CHIP CAP 820P
C203	87-012-156-080		C-CAP,S 220P-50 CH
C204	87-012-156-080		C-CAP,S 220P-50 CH
C205	87-A10-703-080		C-CAP,TN 47-2.5 M A
C206	87-A10-703-080		C-CAP,TN 47-2.5 M A
C207	87-010-218-080		C-CAP,S 0.015-25 B
C208	87-010-218-080		C-CAP,S 0.015-25 B
C209	87-010-180-080		C-CER 1500P
C210	87-010-180-080		C-CER 1500P
C211	87-010-196-080		CHIP CAPACITOR,0.1-25
C212	87-010-196-080		CHIP CAPACITOR,0.1-25
C213	87-012-156-080		C-CAP,S 220P-50 CH
C217	87-010-196-080		CHIP CAPACITOR,0.1-25
C218	87-010-196-080		CHIP CAPACITOR,0.1-25
C219	87-010-196-080		CHIP CAPACITOR,0.1-25
C220	87-010-805-040		CAP,E 1-16 ZF
C221	87-010-196-080		CHIP CAPACITOR,0.1-25
C223	87-010-822-040		CAP,E 220-4 (MJ)
C224	87-010-499-040		CAP,E 22-6.3 GAS
C225	87-010-196-080		CHIP CAPACITOR,0.1-25
C226	87-010-820-040		CAP,E 47-4 (MJ)
C227	87-010-196-080		CHIP CAPACITOR,0.1-25
C301	87-016-563-080		C-CAP,TN 10-10 SV A
C302	87-010-805-080		CAP, S 1-16
C303	87-A10-952-080		C-CAP,TN 22-4 M A MCM
C304	87-A10-952-080		C-CAP,TN 22-4 M A MCM
C401	87-010-149-080		C-CAP,S 5P-50 CH
C402	87-010-320-080		CHIP CAP 68P
C403	87-010-152-080		C-CAP,S 8P-50 CH
C404	87-010-805-080		CAP, S 1-16
C405	87-010-805-080		CAP, S 1-16
C501	87-010-314-080		C-CAP,S 22P-50 CH
C502	87-010-314-080		C-CAP,S 22P-50 CH
C503	87-010-805-080		CAP, S 1-16
C504	87-010-198-080		CAP, CHIP 0.022
C505	87-010-505-080		CA, CHIP TANTALUM 1-16
C506	87-010-805-080		CAP, S 1-16
C507	87-010-198-080		CAP, CHIP 0.022
C601	87-012-145-080		CAP, CHIP S 270P CH
C602	87-016-563-080		C-CAP,TN 10-10 SV A
C603	87-010-197-080		CAP, CHIP 0.01 DM
C604	87-010-315-080		C-CAP,S 27P-50 CH
C605	87-010-315-080		C-CAP,S 27P-50 CH
C606	87-010-197-080		CAP, CHIP 0.01 DM
C607	87-016-563-080		C-CAP,TN 10-10 SV A
C608	87-010-186-080		CHIP CAPACITOR,S 4700P-50 KB
C609	87-010-186-080		CHIP CAPACITOR,S 4700P-50 KB
C801	87-016-669-080		C-CAP,S 0.1-25 K B
C802	87-016-669-080		C-CAP,S 0.1-25 K B
C803	87-016-669-080		C-CAP,S 0.1-25 K B
C804	87-A10-201-080		C-CAP,S0.33-16 KB
C805	87-016-669-080		C-CAP,S 0.1-25 K B
C806	87-010-196-080		CHIP CAPACITOR,0.1-25
C807	87-016-526-080		C-CAP,S 0.47-16 BK
C808	87-010-992-080		C-CAP,S 0.047-25 B
C809	87-010-502-040		CAP ELECT GAS 100/4
C810	87-010-196-080		CHIP CAPACITOR,0.1-25
C901	87-010-822-040		CAP,E 220-4 (MJ)
CF101	87-A90-710-010		FLTR,AM IF PFS450A3
CF102	87-A90-776-010		FLTR,SFE10.7 MS233-A
CF103	87-A90-777-010		FLTR,CDA10.7 MG77-A
D101	87-A40-478-070		C-VARI-CAP,KV1590TL
D102	87-A40-655-080		C-VARI-CAP,HVU200A
D103	87-A40-655-080		C-VARI-CAP,HVU200A

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
IFT105	87-A90-663-010		IFT,MW 5L H6.4
J1	87-A60-438-010		JACK,3.5 BLK ST W/O SW (1537)
J2	87-A60-849-010		JACK,DC DIA 2.75 BLK
L101	87-HRA-603-010		BAR-ANT,MW
L102	8Z-HR9-605-010		COIL,FM RF
L103	8Z-HR7-605-010		COIL,OSC FM
L104	87-003-226-080		MICRO INDUCTOR 100UJ
L201	87-A50-038-010		COIL,RF CHOKE 100MHZ
L301	87-A50-174-080		C-COIL, 82UH 7004-2
L401	87-A50-230-080		C-COIL,D-D(CP4LBM)
L901	87-A50-012-080		C-COI,100UH LQH3C
S201	87-A91-191-010		SW,SL 2-2-2 SK22D04
S202	87-A90-050-010		SW, SL 2-2-2 NS (BLK)
S203	87-A90-050-010		SW, SL 2-2-2 NS (BLK)
S901	87-A90-423-010		SW,LEAF
SFR801	87-A90-734-080		C-SFR,33K B RH03AXAN4X
TC101	87-011-252-080		TRIMMMER 10P LAR
TH801	87-A90-542-080		C-THMS,NTH5G2M35A472K04TE
VR1	87-A90-479-010		VR,RTRY 20KAX2
X501	87-A70-187-010		VIB,XTAL 75KHZ CFV206
X601	87-A70-235-010		VIB,XTAL 4.332MHZ CSA-309(S)

CONT C.B

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
C701	87-A10-263-080		CHIP CAPACITOR,0.1-16 ZF
C704	87-A10-263-080		CHIP CAPACITOR,0.1-16 ZF
C705	87-A11-056-080		C-CAP,U 1-10 ZF
C706	87-012-178-080		CAP CHIP,U 18P-50 J CH
C707	87-012-178-080		CAP CHIP,U 18P-50 J CH
C711	87-012-195-080		C-CAP,S 100P-50 CH
C713	87-012-195-080		C-CAP,S 100P-50 CH
C714	87-A10-263-080		CHIP CAPACITOR,0.1-16 ZF
C715	87-A10-263-080		CHIP CAPACITOR,0.1-16 ZF
D751	87-017-827-070		C-LED,SEC 1201C RED
LCD701	8Z-HR7-604-010		LCD,HLC7492-011400
S701	87-A90-665-280		C-SW,TACT LS7A2M
S702	87-A90-665-280		C-SW,TACT LS7A2M
S703	87-A90-665-280		C-SW,TACT LS7A2M
S704	87-A90-665-280		C-SW,TACT LS7A2M
S705	87-A90-665-280		C-SW,TACT LS7A2M
S706	87-A90-665-280		C-SW,TACT LS7A2M
S707	87-A90-665-280		C-SW,TACT LS7A2M
S708	87-A90-665-280		C-SW,TACT LS7A2M
S709	87-A90-665-280		C-SW,TACT LS7A2M
S710	87-A90-665-280		C-SW,TACT LS7A2M
S711	87-A90-665-280		C-SW,TACT LS7A2M
S712	87-A90-192-080		C-SW,SL 1-1-2 3MT
X701	87-A70-229-080		C-VIB,CER4.19MHZ CSTCC4.19MG
X702	87-A70-079-110		VIB,XTAL 32.768KHZ-M-200

HEAD FLEX C.B

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
PH1	87-A90-435-010		HEAD ASSY, 7ZM-5

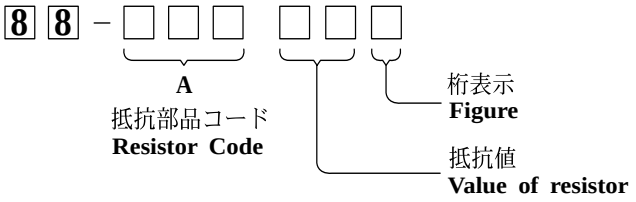
FLEX C.B

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
	8Z-HR7-603-010		PWB,FLEX

○チップ抵抗部品コード／**CHIP RESISTOR PART CODE**

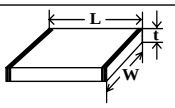
チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding

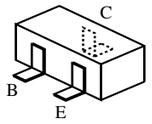


チップ抵抗

Chip resistor

容量 **Wattage**	種類 **Type**	許容誤差 **Tolerance**	記号 **Symbol**	寸法／**Dimensions** 外形／**Form**	**L**	**W**	**t**	抵抗コード **:A** **Resistor :A**
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

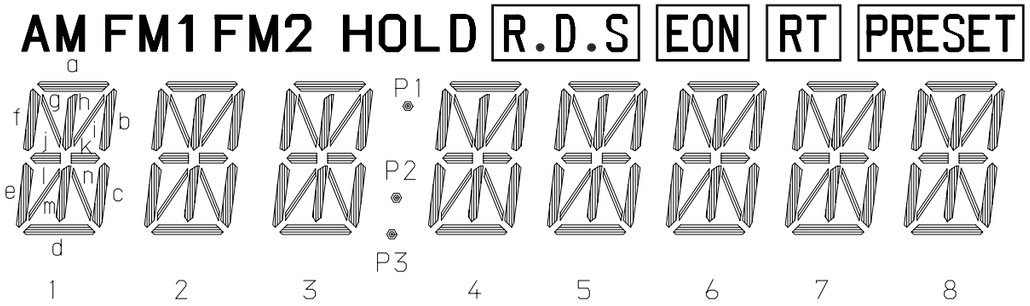


RN1310
RN1404
RN2411
2SC2714
2SC2712
2SA1362

LCD DIAGRAM

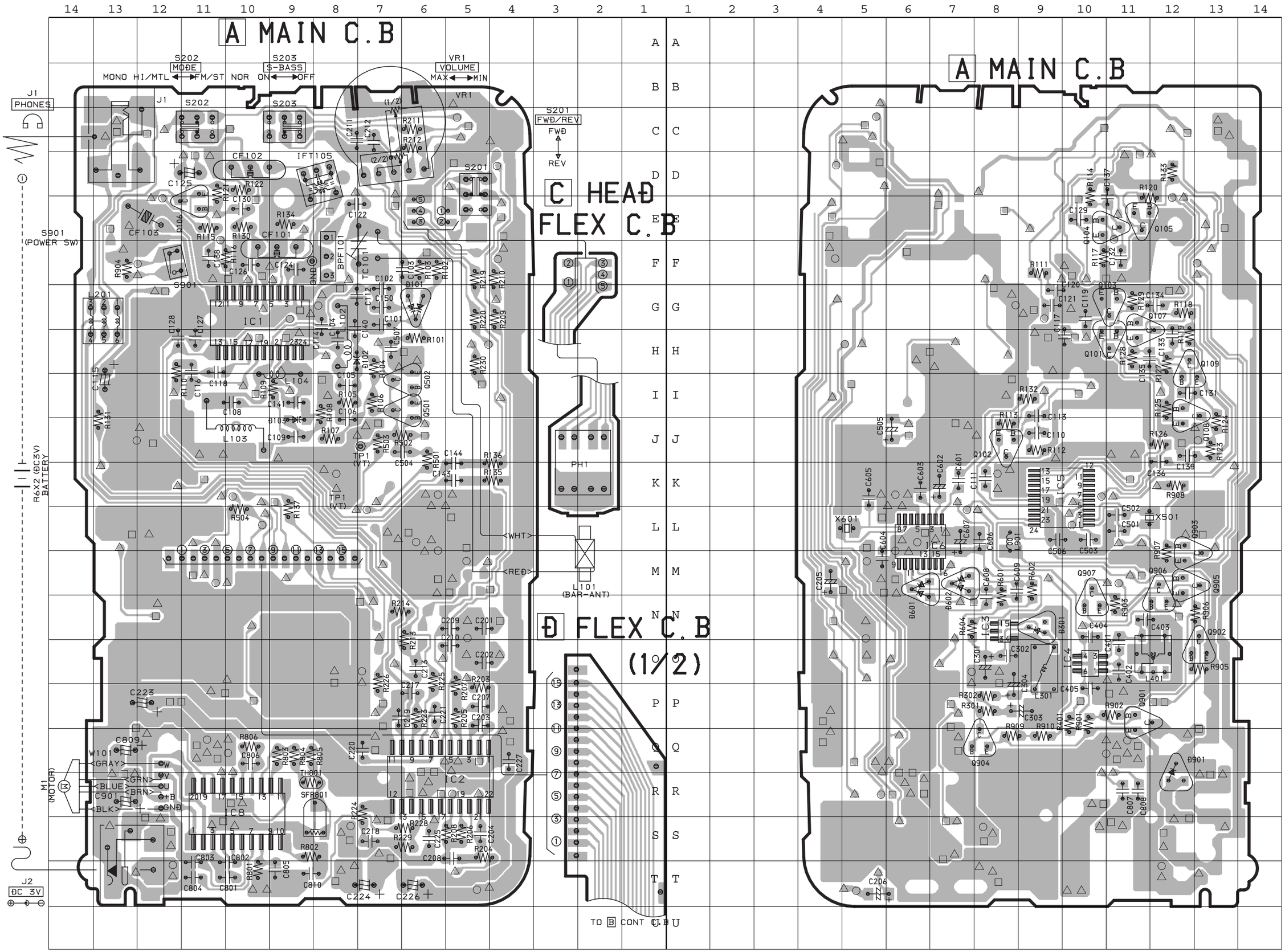
LCD, HLC7492-011400

GRID ASSIGNMENT

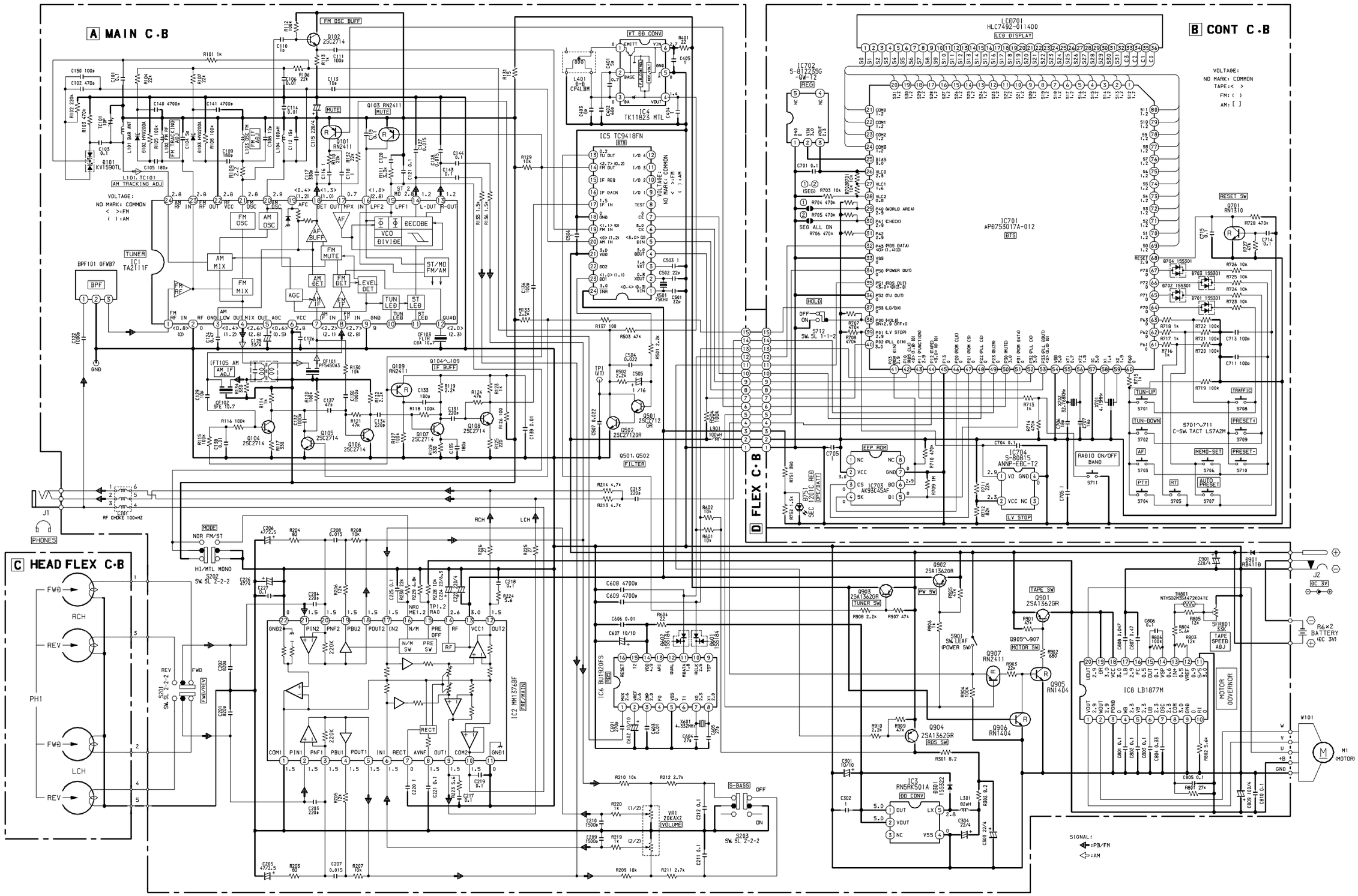


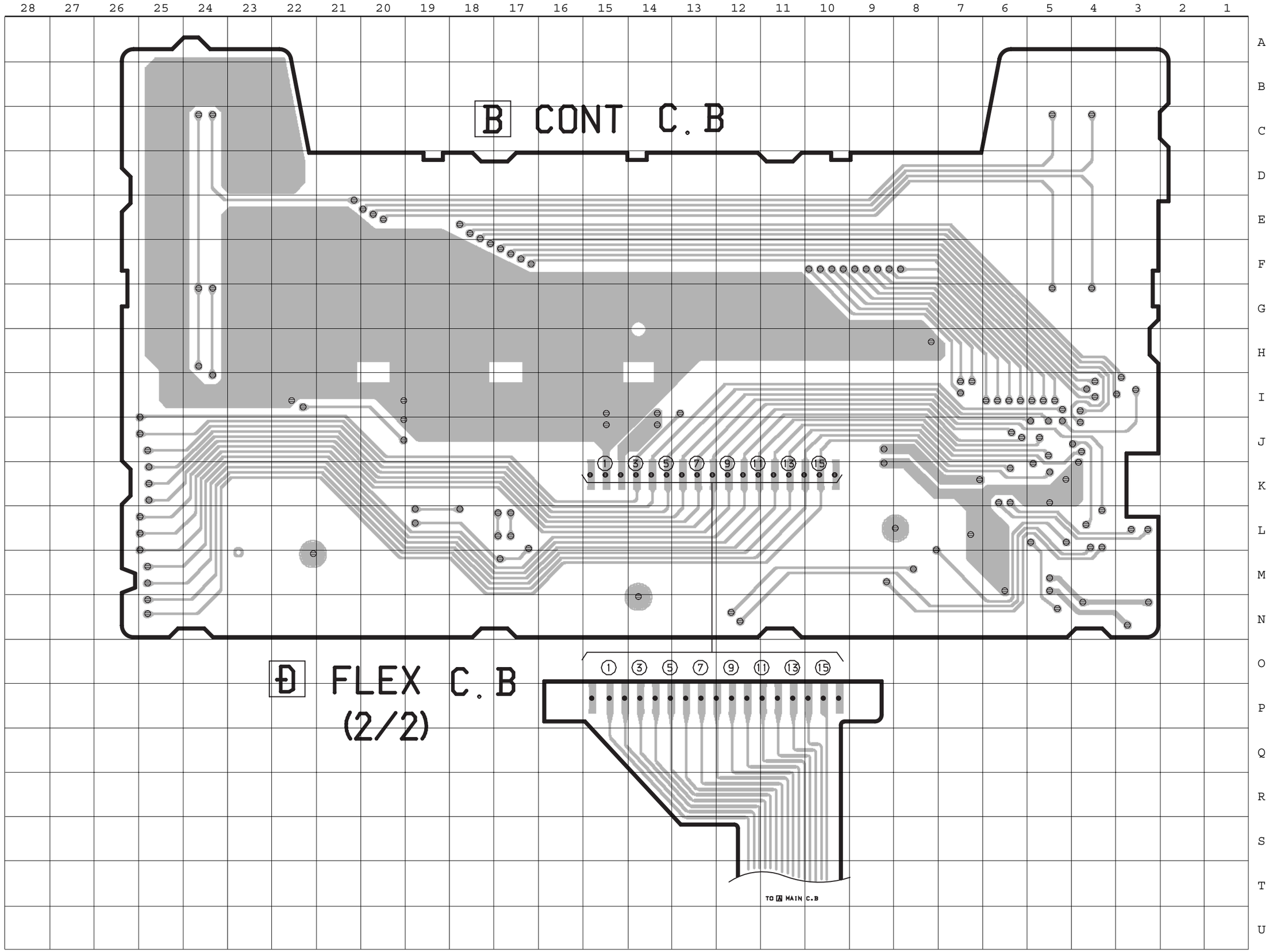
ANODE CONNECTION

NO.	COM.1	COM.2	COM.3	COM.4
1	AM	1e	1j	1f
2	1l	1m	1g	1a
3	1d	1n	1h	1i
4		1c	1k	1b
5	FM1	2e	2j	2f
6	2l	2m	2g	2a
7	2d	2n	2h	2i
8	FM2	2c	2k	2b
9	HOLD	3e	3j	3f
10	3l	3m	3g	3a
11	3d	3n	3h	3i
12	P3	3c	3k	3b
13	P2	4e	4j	4f
14	4l	4m	4g	4a
15	4d	4n	4h	4i
16	P1	4c	4k	4b
17	R.D.S	5e	5j	5f
18	5l	5m	5g	5a
19	5d	5n	5h	5i
20		5c	5k	5b
21	EON	6e	6j	6f
22	6l	6m	6g	6a
23	6d	6n	6h	6i
24		6c	6k	6b
25	RT	7e	7j	7f
26	7l	7m	7g	7a
27	7d	7n	7h	7i
28		7c	7k	7b
29	PRESET	8e	8j	8f
30	8l	8m	8g	8a
31	8d	8n	8h	8i
32		8c	8k	8b
33	COM.1			
34		COM.2		
35			COM.3	
36				COM.4

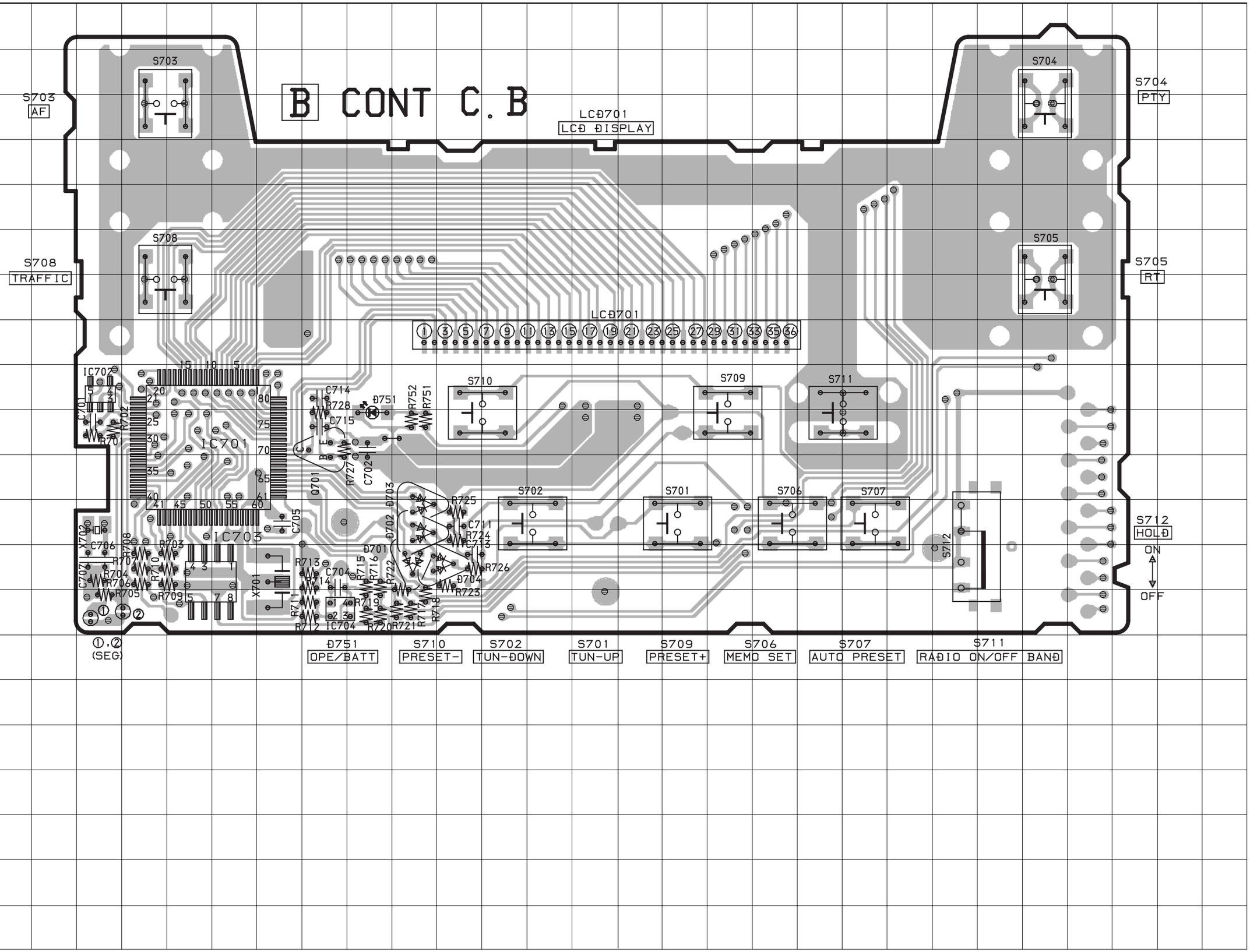

A MAIN C.B
S202
MODE
MONO HI/MTL
FM/ST NOR
S203
S-BASS
ON
OFF
VR1
VOLUME
MAX
MIN
J1
PHONES
S201
FWD/REV
FWD
REV
C HEAD
FLEX C.B
D FLEX C.B
(1/2)
S901
(POWER SW)
R6X2 (DC3V)
BATTERY
M1
(MOTOR)
J2
DC 3V
L101
(BAR-ANT)
PH1
TO B CONT C.B U
IC1
IC2
IC8
IC3
IC4
IC5
IC6
IC7
A MAIN C.B

SCHEMATIC DIAGRAM–1 (MAIN / CONT)



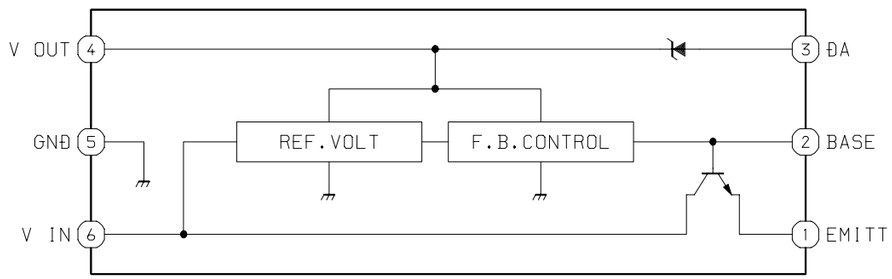

28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
A B C D E F G H I J K L M N O P Q R S T U
B CONT C.B
1 3 5 7 9 11 13 15
D FLEX C.B
(2/2)
1 3 5 7 9 11 13 15
TO A MAIN C.B

B CONT C.B

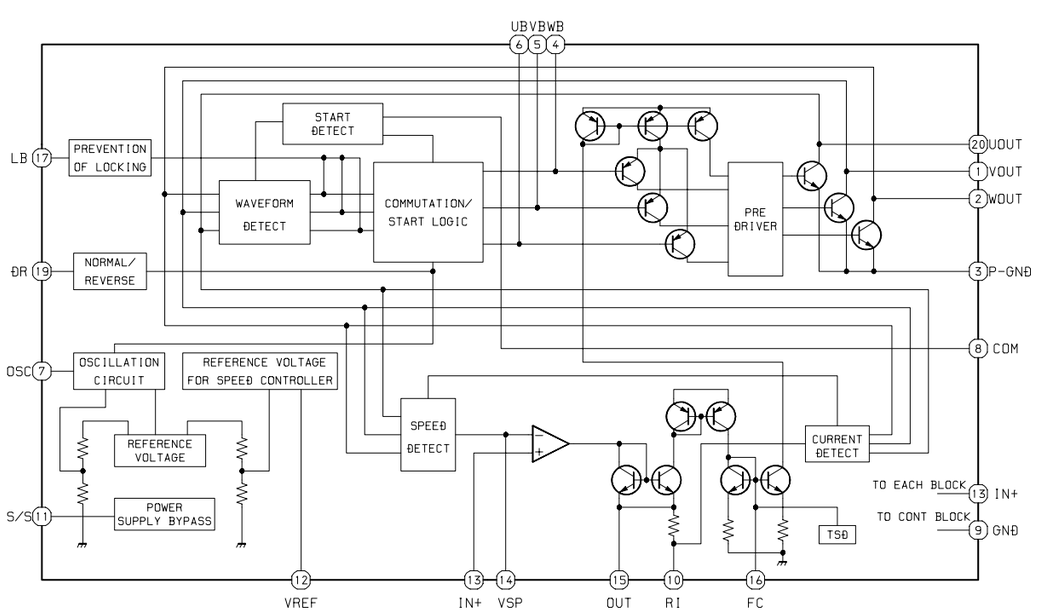

S703
AF
S704
PTY
S708
TRAFFIC
S705
RT
LCĐ701
LCĐ ĐISPLAY
S712
HOLĐ
ON
OFF
IC701
IC702
IC703
IC704
S710
S709
S711
S702
S701
S706
S707
Đ751
OPE/BATT
PRESET-
TUN-ĐOWN
TUN-UP
PRESET+
MEMO SET
AUTO PRESET
RAĐIO ON/OFF BANĐ
①,②
(SEG)

IC BLOCK DIAGRAM

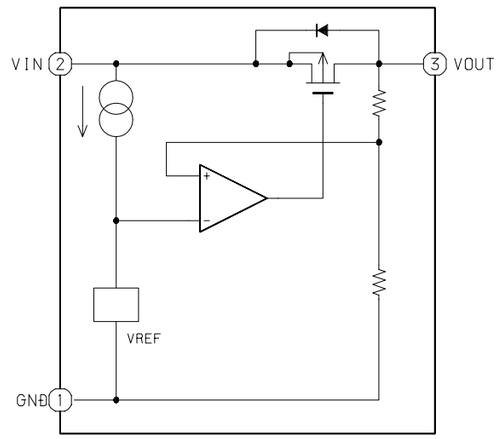
IC, TK11823MTL



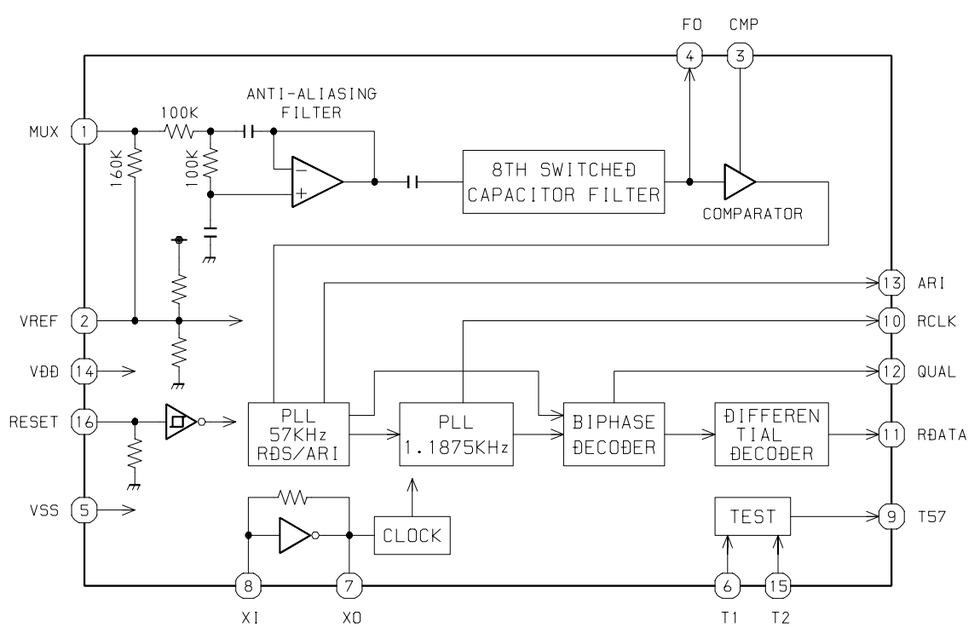
IC, LB1877M



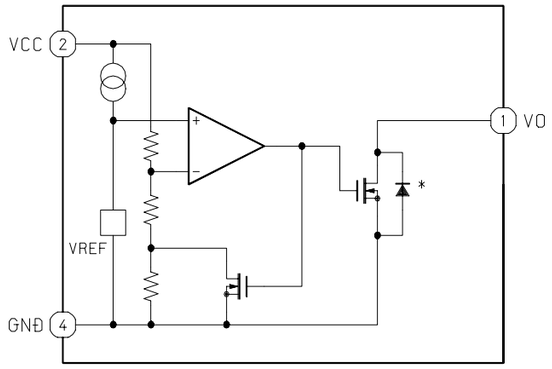
IC, S-81223SG-QW-T2



IC, BU1920FS



IC, S-80815ANNP-EDC-T2



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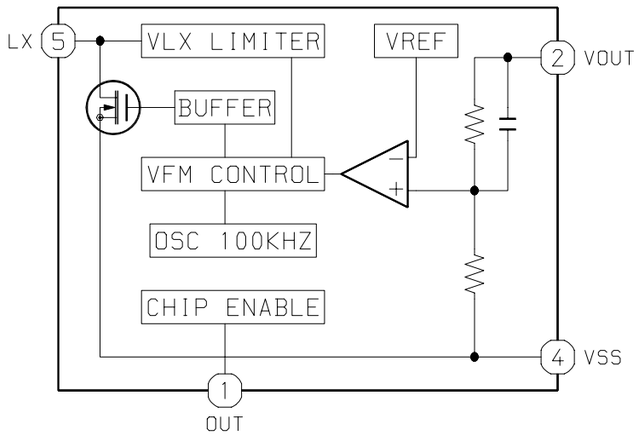
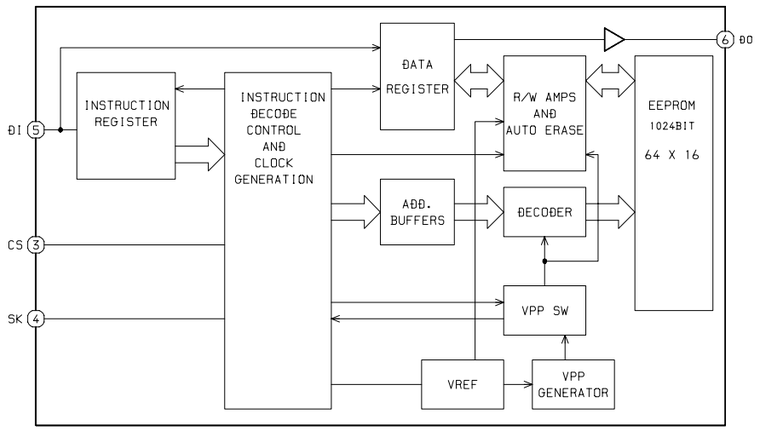


IC, AK93C45AF



IC DESCRIPTION

IC, UPD753017A-012

Pin No.	Pin Name	I/O	Description
1 ~ 20	S12~S31	O	LCD segment output.
21 ~ 24	COM0 ~ COM3	O	LCD common output.
25	BIAS	O	Power supply for LCD.
26 ~ 28	VLC0~VLC2	–	
29	P40 (WORLD AREA)	I	Area switch. “H” = Enable, “L” = Disable.
30	P41 (CHECK)	I	Check all LCD lights turn on. “H” = Normal, “L” = All lights turn on.
31	P42	–	Connected to VDD through a resistor.
32	P43 (RDS DATA)	I	Input serial communication data to RDS IC.
33	VSS	–	Connected to ground.
34	P50 (POWER OUT)	O	Output power. “H” = Power off, “L” = Power on.
35	P51 (RDS OUT)	O	Output when RDS is under operation. “H” = RDS off, “L” = RDS on.
36	P52 (TU OUT)	O	Output TUNER/TAPE. “H” = TAPE, “L” = TUNER. (Connected to ground)
37	P53 (LO/DX)	O	FM auto stop control pin. “H” = Local, “L” = DX.
38	P00 (HOLD)	I	Input HOLD sw. “H” = HOLD off, “L” = HOLD on.
39	P01 (LV STOP)	I	Voltage reduction stop control pin. “H” = Normal, “L” = Power off.
40	P02 (PLL DIN)	I	Input serial communication data to PLL IC.
41	P03 (ROM DIN)	I	Input serial communication data to EEP ROM.
42	P10 (RDS CLK)	I	Input data clock to RDS IC.
43	P11 (FUNCTION)	I	Input function.
44	P12 (TAPE)	I	Input TAPE.
45	P13	–	Connected to GND.
46	P20 (ROM CLK)	O	Output clock data to EEP ROM.
47	P21 (ROM CS)	O	Output control data to EEP ROM.
48	P22 (PLL CE)	O	Output control data to PLL IC.
49	P23 (BUZR)	O	Output beep sound.
50	P30 (MUTE)	O	Output mute. “H” = Mute off, “L” = Mute on.
51	P31 (ROM DATA)	O	Output serial communication data to EEP ROM.
52	P32 (PLL CK)	O	Output clock data to PLL IC.
53	P33 (PLL DOUT)	O	Output serial communication data to PLL IC.
54	VDD	–	Power supply pin.
55 ~ 56	XT1 ~ XT2	I	Crystal oscillator pin. (32.768 kHz)
57	IC	I	Internally connected. (Connected to ground)
58 ~ 59	X1 ~ X2	I	Input oscillator pin. (4.19 MHz)
60 ~ 63	P60 ~ P63	I	Input key. “H” = Exist key, “L” = Not exist key.
64 ~ 67	P70 ~ P73	O	Output key. “H” = Scan, “L” = Standby.
68	$\overline{\text{RESET}}$	I	Input reset.
69 ~ 80	S0 ~ S11	O	LCD segment output.

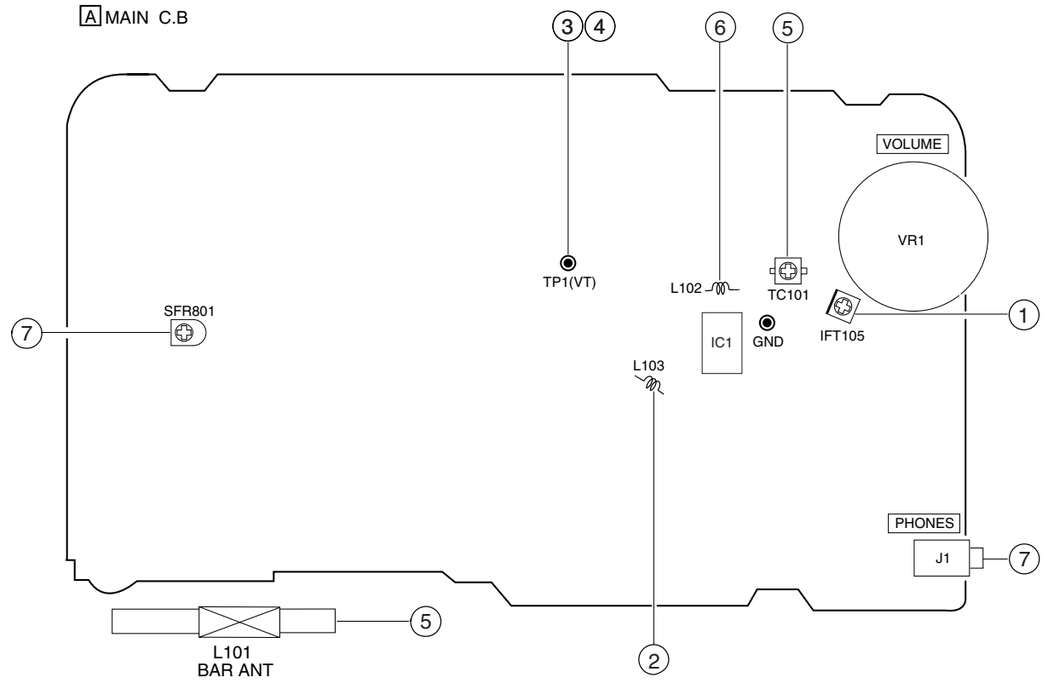
KEY MATRIX

Output \ Input	P60/KR0	P61/KR1	P62/KR2	P63/KR3
P70/KR4	TUN–UP	–	–	TRAFFIC
P71/KR5	TUN–DOWN	–	–	PRESET+
P72/KR6	AF	–	MEMO–SET	PRESET–
P73/KR7	PTY	RT	AUTOPRESET	–

IC, TC9418FN

Pin No.	Pin Name	I/O	Description
1	XIN	I	Crystal oscillator pin. (75 kHz)
2	XOUT	O	
3	VXT	–	
4	DOUT	O	Output serial data.
5	DIN	I	Input serial data.
6	CK	I	Input clock.
7	CE	I	Chip enable input.
8	TEST	I	Not used.
9 ~ 12	I/O 1 ~ I/O 4	–	Not used.
13	TU OUT	O	Output TUNER/TAPE. “H” = TAPE, “L” = TUNER.
14	FM OUT	O	Output band. “H” = FM, “L” = AM.
15	IF REQ	–	Not used.
16	IF GAIN		
17	IF IN	I	Input IF signal.
18	GND	–	Connected to ground.
19	FM IN	I	Input FM band broadcast signal.
20	AM IN	I	Input AM band broadcast signal.
21	VDD	–	Power supply.
22	DO2	–	Output phase comparator. (Not used)
23	DO1	I	Output phase comparator.
24	$\overline{INH}$	I	Input in–habit. (Connected to power supply)

ADJUSTMENT



<TUNER SECTION>

1. AM IF Adjustment
   IFT105 ..... 450kHz

2. FM IF Adjustment
   L103 ..... 10.7MHz

3. AM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to AM 531kHz and check that the test point voltage is 1.1V ± 0.3V. Then set to AM 1602kHz and check that the test point voltage is less than 6.5V.

4. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz and check that the test point voltage is 3.0V ± 0.1V. Then set to FM 108.0MHz and check that the test point voltage is less than 9.5V.

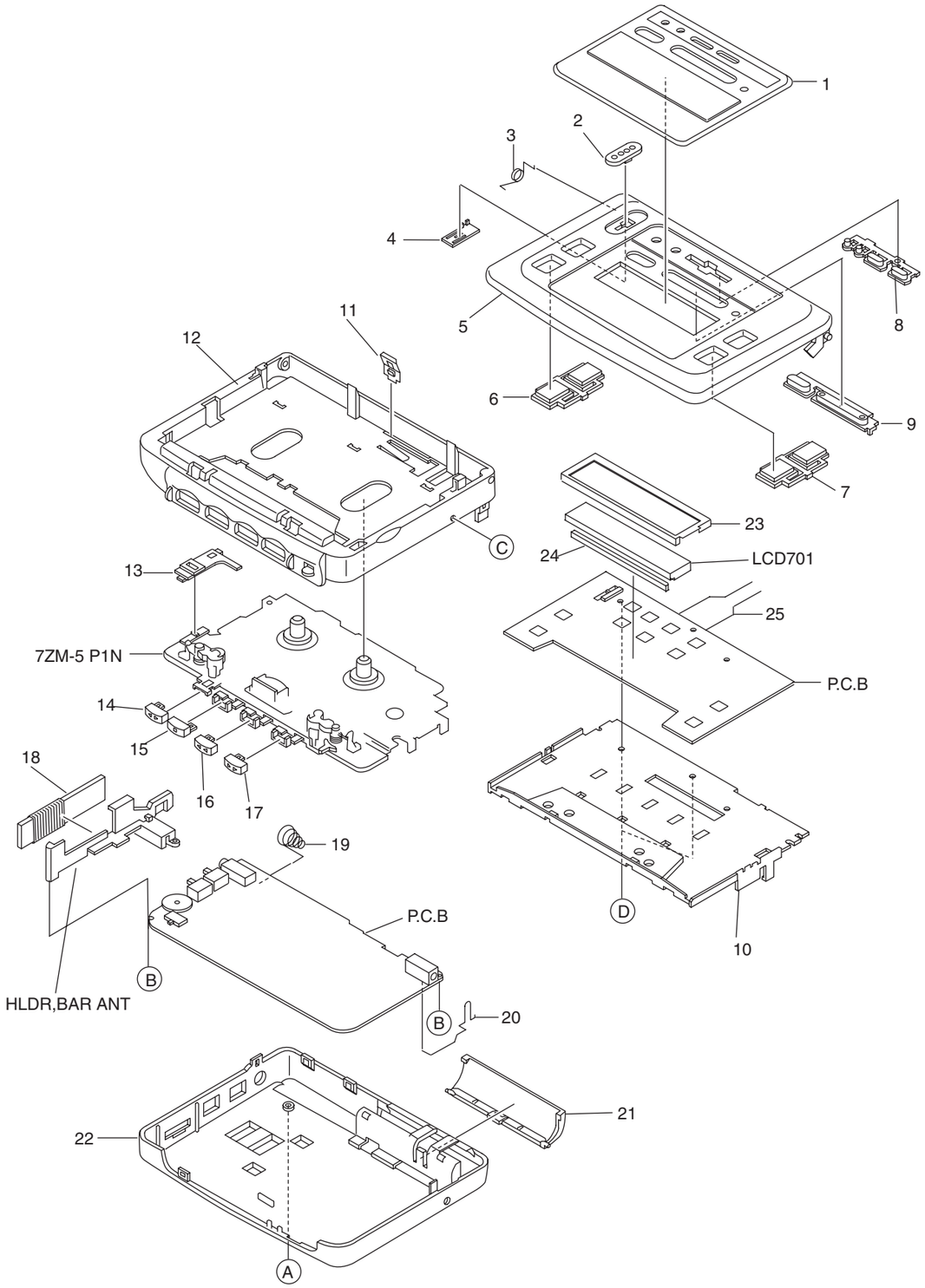
5. AM Tracking Adjustment
   L101 ..... 630kHz
   TC101 ..... 1440kHz

6. FM Tracking Adjustment
   L102 ..... 87.5MHz

<TAPE PLAYER SECTION>

7. Tape Speed Adjustment
   Settings : • Test tape : TTA–100
   • Test point : PHONES JACK (J1)
   • Tape selector : NORMAL
   • S-BASS : OFF
   • Volume : MAX
   • Adjustment location : SFR801
   Method : Play back the test tape and adjust SFR801 for 3015Hz ± 10Hz(FWD) and 3015Hz ± 45Hz (REV). Then confirm WOW is less than 0.50%.

MECHANICAL EXPLODED VIEW 1/1



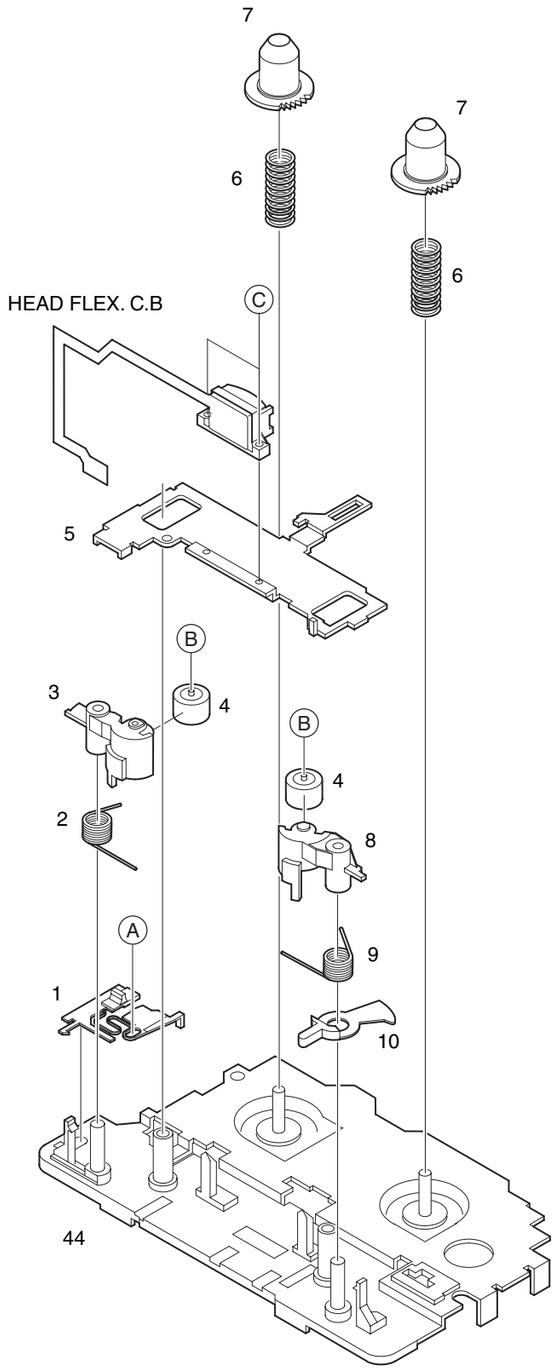
MECHANICAL PARTS LIST 1 / 1

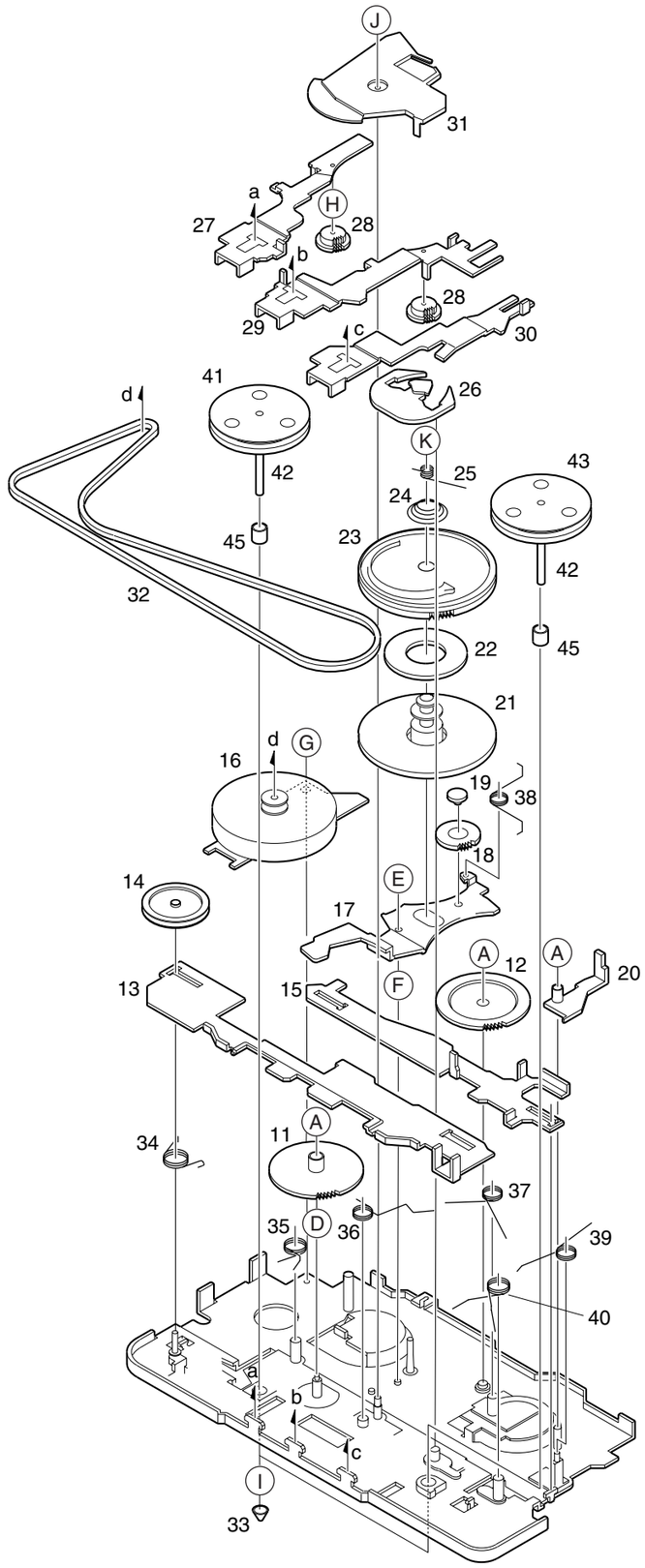
REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	8Z-HR7-002-010		PANEL,CASS
2	8Z-HR7-007-010		KNOB,SL HOLD
3	87-HRA-204-010		SPR-T,CLICK
4	8Z-HR7-008-010		PLATE,INDI HOLD
5	8Z-HR7-001-010		LID,CASS SIL
6	8Z-HR7-003-010		KEY,RDS L
7	8Z-HR7-004-010		KEY,RDS R
8	8Z-HR7-006-010		KEY,TUN
9	8Z-HR7-005-010		KEY,PRESET
10	8Z-HR7-201-010		HLDR,PWB
11	87-HG6-204-010		SPR-P,CASS
12	8Z-HR7-009-010		FRAME,CENTER RDS
13	88-HR9-024-010		LEVER,REV MODE WHITE
14	8Z-HR7-012-010		BTN,PLAY RDS
15	8Z-HR7-015-010		BTN,STOP RDS
16	8Z-HR7-014-010		BTN,REW RDS
17	8Z-HR7-013-010		BTN,FF RDS
18	87-HRA-603-010		BAR-ANT,MW
19	8Z-HR7-207-010		BAT-CONTACT, M
20	88-HR9-206-010		BAT-CONTACT,+
21	8Z-HR7-011-010		LID,BAT RDS
22	8Z-HR7-010-010		CABI,REAR RDS
23	8Z-HR7-202-010		HLDR,LCD
24	8Z-HR7-203-010		JOINT,LCD
25	8Z-HR7-603-010		PWB,FLEX
A	87-067-770-010		VT2+1.7-9(3) BLK
B	87-067-384-010		SCREWVT1.4-3.5HL
C	87-067-385-010		SCREW,VT +1.4-2.5HL
D	8Z-HR7-208-010		S-SCREW,+1.4-4.5 BLK HL

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

TAPE MECHANISM EXPLODED VIEW 1/1





TAPE MECHANISM PARTS LIST 1/1

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-ZM5-218-010		LEVER,MOD SEL 2
2	87-ZM5-248-010		SPR-T,PINCH L
3	87-ZM5-232-010		ARM,PINCH L
4	87-ZM5-255-010		ROLLER ASSY,PINCH
5	87-ZM5-210-010		LEVER,PLAY
6	87-ZM5-251-010		SPR-C,GEAR REEL
7	87-ZM5-276-010		GEAR,REEL L
8	87-ZM5-233-010		ARM,PINCH R
9	87-ZM5-249-010		SPR-T,PINCH R
10	87-ZM5-219-010		BTN,DIR KNOB
11	87-ZM5-221-010		GEAR,IDL A
12	87-ZM5-222-010		GEAR,IDL B
13	87-ZM5-212-010		LEVER,DIR P
14	85-ZM1-212-010		PULLY PM 2
15	87-ZM5-213-010		LEVER,LOCK
16	M8-6ZS-390-000		ABL-63A
17	87-ZM5-208-010		LEVER ASSY,T-UP
18	87-ZM5-223-010		GEAR,PLAY
19	87-ZM5-259-010		CAP,PLAY
20	87-ZM5-216-010		LEVER,PLAY SW
21	87-ZM5-228-010		GEAR,SLIP B
22	87-ZM5-229-010		FELT,CLUTCH
23	87-ZM5-227-010		GEAR,SLIP A
24	87-ZM5-230-010		SPR-C,SLIP
25	87-ZM5-246-010		SPR-T,AUTO
26	87-ZM5-214-010		LEVER,AUTO
27	87-ZM5-204-010		LEVER ASSY,FF
28	87-ZM5-225-010		GEAR,FF/REW
29	87-ZM5-206-010		LEVER ASSY,REW
30	87-ZM5-211-010		LEVER,STOP
31	87-ZM5-261-010		LEVER,AUTO 2S
32	87-ZM5-253-010		BELT,MAIN
33	87-ZM5-258-010		CAP,CAPSTAN
34	87-ZM5-245-010		SPR-T,DIR
35	87-ZM5-243-010		SPR-T,FF
36	87-ZM5-247-010		SPR-T,AUTO 2
37	87-ZM5-244-010		SPR-T,REW
38	87-ZM5-250-010		SPR-T,LEVER T-UP
39	87-ZM5-241-010		SPR-T,LEVER LOCK
40	87-ZM5-242-010		SPR-T,PLAY
41	87-ZM5-236-010		FLY-WHL,R
42	87-ZM5-237-010		CAPSTAN, 1.8-20.2
43	87-ZM5-235-010		FLY-WHL,L
44	87-ZM5-201-010		CHAS ASSY,OUT-SERT P
45	87-ZM5-260-010		CLR,BEARING
A	87-067-860-010		W-P,0.95-3-0.4
B	87-B10-085-010		W-L,1.31-3-0.2
C	87-ZM5-270-010		S-SCREW,1.4-5-STP
D	87-B10-084-010		W-L,2.2-3.2-0.1
E	87-B10-080-010		W-L,0.97-3-0.35
F	87-B10-086-010		W-L,1.57-2.8-0.1
G	87-ZM5-271-010		S-SCREW,1.4-2.6-STP
H	87-B10-087-010		W-L,1.25-2.26-0.1 SLT
I	87-B10-070-010		W-P,1.55-2.9-0.25 SLIT
J	87-ZM5-083-010		W-L,0.95-2.5-0.3
K	87-B10-083-010		W-L,0.95-2.5-0.3

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サービス技術ニュース	
番号	連絡内容
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